

WHAT IS CLAIMED IS:

1. A retractable handle assembly for a luggage, the handle assembly including an elongate handle unit and a handle grip on a top of the handle unit, the handle grip having a push button, the handle unit comprising:
 - a sliding tube connected to the handle grip;
 - a support tube fixed at a bottom of the luggage, the sliding tube being slidably disposed in the support tube;
 - locking means in a lower portion of the sliding tube;
 - 10 a connecting rod interconnected the push button and the locking means;
 - and
 - buffer means within a lower portion of the sliding tube,
 - wherein the handle grip is capable of gradually and damply extending from a top of the luggage a predetermined distance by pressing the push button in a pulling operation of the handle assembly.
- 20 2. The retractable handle assembly of claim 1, wherein the buffer means comprises an upper plunger, a spring anchored in the plunger, a piston rod inserted in the spring, a sealing ring anchored on a top of the piston rod, a lower n-shaped bifurcation urged against a bottom of the spring, and a pin hingedly coupled a top of the n-shaped bifurcation and a bottom of the piston rod together.
3. The retractable handle assembly of claim 2, wherein the plunger comprises an upper body, a vent hole on a top of the upper body, a pair of lower arms, and
25 a hole at a lower portion of either arm.
4. The retractable handle assembly of claim 2, wherein the piston rod

comprises an upper neck, an intermediate body, and a bottom tunnel.

5 **5.** The retractable handle assembly of claim 2, wherein the n-shaped bifurcation comprises two legs and two spaced top cylindrical members each having a tunnel.

6. The retractable handle assembly of claim 1, wherein the sliding tube comprises two upper holes for permitting a fastener to insert through to secure to the luggage, two intermediate locking apertures, and two opposite lower holes.

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7. The retractable handle assembly of claim 1, wherein the support tube comprises an upper locking aperture, an intermediate locking aperture, and a lower hole.

15 **8.** A retractable handle assembly for a luggage, the handle assembly including a pair of elongate substantially parallel handle units and a handle grip interconnected the handle units, the handle grip having a push button, either of the handle units comprising:

20 a sliding tube connected to one end of the handle grip;
 a support tube fixed at a bottom of the luggage, the sliding tube being slidably disposed in the support tube;

locking means in a lower portion of the sliding tube;

a connecting rod interconnected the push button and the locking means;

and

25 buffer means within a lower portion of the sliding tube,

wherein the handle grip is capable of gradually and damply extending from a top of the luggage a predetermined distance by pressing the push button in a

pulling operation of the handle assembly.

5 **9.** The retractable handle assembly of claim 8, wherein the buffer means comprises an upper plunger, a spring anchored in the plunger, a piston rod inserted in the spring, a sealing ring anchored on a top of the piston rod, a lower n-shaped bifurcation urged against a bottom of the spring, and a pin hingedly coupled a top of the n-shaped bifurcation and a bottom of the piston rod together.

10 **10.** The retractable handle assembly of claim 9, wherein the plunger comprises an upper body, a vent hole on a top of the upper body, a pair of lower arms, and a hole at a lower portion of either arm.

15 **11.** The retractable handle assembly of claim 9, wherein the piston rod comprises an upper neck, an intermediate body, and a bottom tunnel.

12. The retractable handle assembly of claim 9, wherein the n-shaped bifurcation comprises two legs and two spaced top cylindrical members each having a tunnel.